

LABdex



Ash Furnace LX601AFN

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Description

Ash Furnace LX601AFN is a microprocessor-controlled chamber with a stable PID temperature control system, featuring a high anti-corrosive alumina ceramic fiber lining for reliable performance at high temperatures. Its high-alloy resistance wire heating element ensures uniform temperature distribution, while a one-touch start button allows easy operation of pre-set programs. The furnace also includes an alert system for chamber overheating, combining safety, precision, and efficiency in a compact design.

Specifications

Volume	30 L
Chamber dimension (W x D x H)	300 x 500 x 200 mm
Maximum temperature	1000 °C
Heating element	High alloy resistance wire as heating element embed in chamber
Heating speed	10 to ≤20 °C/min (suggest at 15 °C/min for longer life using of furnace)
Working temperature	900 °C
Temperature precision	± 1 °C
Programmable segments	30
Chamber material	High anti corrosive alumina ceramic fiber chamber lining
Outer shell material	High quality cold-rolled steel sheets CNC processing
Thermocouple	N style
Voltage	415V 50/60HZ, 3 Phase

Power	12 KW
Packing dimension (W x D x H)	1010 x 780 x 970 mm
Gross weight	210 Kg

Features

- ✓ Equipped with high-grade alloy wire heating elements
- ✓ Heating speed: 10 – ≤20°C/min
- ✓ PID-controlled temperature controller with ±1°C precision
- ✓ One-touch start for pre-programmed functions
- ✓ Alert signal for chamber overheating
- ✓ Programmable heat curves with up to 30 segments
- ✓ Gas outlet port on the top of the furnace for venting waste gases

Applications

- ✓ Used for materials testing, thermal cycling, heat treating, melting, annealing, sintering, research centers, medical laboratories to determine the non-volatile and non-combustible proportion of the sample and for highly sophisticated metallurgical applications.



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